



**NORMAN Inter-Laboratory Study (ILS) on passive sampling of emerging pollutants**

**Chemical Monitoring On Site (CM On-Site) in support of WFD implementation**

**Dissemination Workshop / JRC Innovation Transfer Event**



**Organised by**

The NORMAN network  
and  
DG Joint Research Centre

**29 – 30 October 2012**

Ispra, Italy



# AGENDA

**Monday, 29 October 2012**

<b>Monday, 29 October 2012</b>			
	<i>Agenda item</i>	<i>Documents</i>	<i>by</i>
14:00	1 – Welcome		<b>Bernd Gawlik</b> (JRC)
14:10	2 – Chemical monitoring under the Water Framework Directive: current challenges	Slides	<b>Robert Loos</b> (JRC)
14:30	3 – NORMAN Network and its activities in passive sampling	Slides, position paper	<b>Valeria Dulio and Jaroslav Slobodnik (NORMAN)</b>
14:45	4 – Partitioning based passive sampling	Slides	<b>Foppe Smedes</b> (Deltares/RECETOX)
15:15	5 – Adsorption based passive sampling	Slides	<b>Branislav Vrana</b> (Water Research Institute/RECETOX)
15:45	6 – Monitoring by passive sampling: spatial and temporal trend assessment	Slides	<b>Foppe Smedes</b> (Deltares/RECETOX)
<i>16:15 – 16:30 Coffee Break</i>			
16:30	7 – Introduction to deriving EQS; where would passive sampling come in?	Slides	<b>Paul Whitehouse</b> (Environment Agency)
17:00	8 – Predicting concentrations in biota from passive samplers	Slides	<b>Foppe Smedes</b> (Deltares/RECETOX)
17:30	9 – The AQUAREF passive sampler intercalibration study	Slides and draft report	<b>Cécile Miège</b> (IRSTEA)
<i>18:00 End of the day</i>			
<i>20:00 Social Dinner</i>			
<b>Tuesday, 30 October 2012</b>			
<b>Presentation of results of the interlaboratory study on passive sampling of emerging substances</b>			
09:00	10 – Interlaboratory study on passive sampling – Study design and organisation	Slides, Report	<b>Branislav Vrana</b> (Water Research Institute/RECETOX)
10:00	11 – STUDY RESULTS: hydrophobic substances – Polybrominated diphenyl ethers	Slides	<b>Foppe Smedes</b> (Deltares/RECETOX)

<b>10:30</b>	<b>12 – STUDY RESULTS: challenging substances – Steroid hormones, PFOS/PFOA, Bishpenol A, Triclosan</b>	<i>Slides</i>	<b><i>Cécile Miège (IRSTEA)</i></b>
<i>11:00 – 11:15 Coffee Break</i>			
<b>11:15</b>	<b>13 – STUDY RESULTS: polar substances – Polar pesticides and pharmaceuticals</b>	<i>Slides</i>	<b><i>Branislav Vrana (Water Research Institute/RECETOX)</i></b>
<b>11:45</b>	<b>14 –STUDY RESULTS: experience of participants and screening for other substances</b>	<i>Slides, 10 min presentations</i>	<b><i>To be announced</i></b>
<b>12:15</b>	<b>15 - Interlaboratory study: Lessons learned, outlook and perspectives</b>	<i>Introduction and panel discussion</i>	<b><i>Interlaboratory study organisers</i></b>
<b>12:30</b>	<b>16 - Wrap-up and closure</b>		<b><i>Robert Loos (JRC)</i></b>
<i>12:45 End of Meeting</i>			
<b>14:00- 15:00</b>	<b>Consultation on results and feedback from study participants on specific issues</b>		<b><i>Study organisers + participants</i></b>

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City: Ispra, Italy  
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### **Background, organisation, and objectives**

In 2011, an inter-laboratory study on the use of passive samplers for the monitoring of emerging pollutants was organised by the NORMAN association together with the European Commission DG Joint Research Centre in support of the Common Implementation Strategy (CIS) of the European Water Framework Directive (WFD). This inter-laboratory study was coordinated by Branislav Vrana (Water Research Institute/RECETOX). The results will be presented and discussed in a workshop organised by the NORMAN Network of reference laboratories for monitoring emerging environmental pollutants ([www.norman-network.net](http://www.norman-network.net)) together with DG JRC as an “Innovation Transfer Event”.

This workshop will be of interest to policy makers and authorities in the water sector, research scientists, and experts in chemical monitoring of the aquatic environment.

The first day of the workshop will present the state of the art of passive water sampling of organic contaminants, and discuss its application for regulatory monitoring under the Water Framework Directive (WFD).

On the second day the results of the inter-laboratory study on passive sampling of emerging pollutants will be presented. The study compared the performance of various available passive sampler designs at a reference site to allow a realistic evaluation of passive sampling variability for tested groups of compounds (polar pesticides, pharmaceuticals, steroid hormones, fluorinated surfactants, brominated flame retardants,

bisphenol A and triclosan), and investigated whether a particular passive sampling method provides a satisfactory result within an agreed performance interval. Further, participating laboratories will obtain information on the actual performance of their analytical methods in analysis of complex environmental matrices. Finally, study results will also be used to inform EU Member States about the possible application of passive sampling for the monitoring of these compounds under the WFD.

**Date and venue:**

The workshop will take place on **29-30 October 2012 at the JRC Ispra, Italy.**

**Registration:**

Please register through the JRC Meeting Registration System for the workshop “**Passive Sampling of Emerging Pollutants**”. Simply follow the instructions for the JRC Meeting Registration System at:

<https://jrc-meeting-registration.jrc.ec.europa.eu/>

Note that registration will be opened on 14 August 2012.

The deadline for registration is **5 October 2012.**

We have pre-booked rooms at the Hotel Europa in Ispra and Conca Azzurra in Ranco. The workshop is free of charge. Coffee, tea, and refreshments will be provided by the JRC.

**Travel arrangements:**

We will take care of the transport from and to the airport, as well as from the hotel to the JRC and back. Please note when booking your flights that Milano Malpensa is the closest airport and more convenient for our taxi service. You will receive an e-mail with more detailed information shortly before the meeting.

Please do not hesitate to contact Ms Gabriele Breitenbach ([Gabriele.Breitenbach@ec.europa.eu](mailto:Gabriele.Breitenbach@ec.europa.eu)) if you need more information.

**NORMAN association**

The Network of reference laboratories and research centres for monitoring emerging environmental pollutants (NORMAN) is an independent and competent forum in the field of emerging pollutants. NORMAN facilitates an exchange of information, debate and research collaboration at the global level, with official **recognition from institutional agencies of the EU.**

**Joint Research Centre**

As the Commission's in-house science service, the Joint Research Centre's mission is to provide EU policies with independent, evidence-based scientific and technical support throughout the whole policy cycle. Working in close cooperation with policy Directorates-General, the JRC addresses key societal challenges while stimulating innovation through developing new methods, tools and standards, and sharing its know-how with the Member States, the scientific community and international partners.